

Experiment Number: 10034 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Bisphenol A
CAS Number: 80-05-7

Date Report Requested: 08/16/2017
Time Report Requested: 10:20:03
First Dose M/F: 09/25/12 / 09/25/12
Lab: NCTR

NTP Study Number: C10034
Lock Date: 08/16/2017
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: 09/29/2017

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Sprague Dawley (NCTR) RATS MALE	F1 Veh. Ctrl M	F1 2.5 BPA M	F1 25.0 BPA M	F1 250.0 BPA M	F1 2500.BPA M	F1 25000 BPA M
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Disposition Summary

Animals Initially In Study	22	22	20	24	20	22
Early Deaths						
Interval Sacrifice	18	22	18	24	18	21
Moribund Sacrifice	4		1			
Natural Death			1		2	1
Survivors						
Animals Examined Microscopically	22	22	20	24	20	22

ALIMENTARY SYSTEM

Esophagus	(4)	(1)	(2)	(0)	(2)	(1)
Lymphoma Malignant	1 (25%)					
Intestine Large, Colon	(4)	(0)	(2)	(0)	(0)	(0)
Intestine Small, Ileum	(4)	(0)	(2)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(1)
Adenocarcinoma						1 (100%)
Adenoma						
Liver	(22)	(22)	(20)	(24)	(19)	(22)
Hepatocellular Adenoma						
Leukemia Granulocytic						
Lymphoma Malignant	2 (9%)					
Mesentery	(1)	(0)	(1)	(1)	(0)	(0)
Pancreas	(22)	(22)	(20)	(24)	(19)	(22)
Leukemia Granulocytic						
Lymphoma Malignant	2 (9%)					
Stomach, Forestomach	(5)	(0)	(3)	(0)	(1)	(1)
Lymphoma Malignant	2 (40%)					
Stomach, Glandular	(4)	(0)	(2)	(0)	(0)	(1)
Lymphoma Malignant	1 (25%)					

CARDIOVASCULAR SYSTEM

Blood Vessel	(22)	(22)	(20)	(24)	(20)	(22)
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a - Number of animals examined microscopically at site and number of animals with lesion

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Sprague Dawley (NCTR) RATS MALE	F1 Veh. Ctrl M	F1 2.5 BPA M	F1 25.0 BPA M	F1 250.0 BPA M	F1 2500.BPA M	F1 25000 BPA M
Heart	(22)	(22)	(20)	(24)	(20)	(22)
Leukemia Granulocytic						
Lymphoma Malignant	2 (9%)					
Schwannoma Malignant						
ENDOCRINE SYSTEM						
Adrenal Cortex	(22)	(22)	(20)	(24)	(20)	(22)
Lymphoma Malignant	2 (9%)					
Adrenal Medulla	(22)	(22)	(20)	(24)	(20)	(22)
Lymphoma Malignant	1 (5%)					
Islets, Pancreatic	(22)	(22)	(20)	(24)	(19)	(22)
Parathyroid Gland	(22)	(21)	(19)	(24)	(19)	(21)
Adenoma		1 (5%)				
Lymphoma Malignant	2 (9%)					
Pituitary Gland	(22)	(22)	(20)	(24)	(20)	(22)
Lymphoma Malignant	2 (9%)					
Pars Distalis, Adenoma					1 (5%)	1 (5%)
Thyroid Gland	(22)	(22)	(20)	(24)	(18)	(21)
Lymphoma Malignant	1 (5%)					
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland	(22)	(22)	(20)	(24)	(18)	(21)
Ductus Deferens	(0)	(0)	(0)	(0)	(0)	(0)
Epididymis	(22)	(22)	(20)	(24)	(20)	(22)
Fat Pad, Epididymal	(0)	(1)	(0)	(1)	(1)	(0)
Preputial Gland	(2)	(3)	(3)	(1)	(1)	(1)
Prostate, Dorsal/lateral Lobe	(22)	(22)	(20)	(24)	(20)	(22)
Lymphoma Malignant	2 (9%)					

a - Number of animals examined microscopically at site and number of animals with lesion

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Sprague Dawley (NCTR) RATS MALE	F1 Veh. Ctrl M	F1 2.5 BPA M	F1 25.0 BPA M	F1 250.0 BPA M	F1 2500.BPA M	F1 25000 BPA M
Prostate, Ventral Lobe	(22)	(22)	(20)	(24)	(20)	(22)
Lymphoma Malignant	1 (5%)					
Seminal Vesicle	(22)	(22)	(20)	(24)	(18)	(21)
Testes	(22)	(22)	(20)	(24)	(20)	(22)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(22)	(22)	(20)	(24)	(18)	(22)
Leukemia Granulocytic						
Lymphoma Malignant	2 (9%)					
Lymph Node	(2)	(1)	(0)	(0)	(1)	(0)
Axillary, Lymphoma Malignant	2 (100%)					
Cervical, Lymphoma Malignant	1 (50%)					
Inguinal, Lymphoma Malignant	2 (100%)					
Lumbar, Lymphoma Malignant	2 (100%)					
Mediastinal, Lymphoma Malignant	1 (50%)					
Pancreatic, Lymphoma Malignant	2 (100%)					
Renal, Lymphoma Malignant	2 (100%)					
Lymph Node, Mandibular	(2)	(1)	(0)	(0)	(2)	(0)
Lymphoma Malignant	2 (100%)					
Lymph Node, Mesenteric	(2)	(0)	(0)	(0)	(0)	(0)
Lymphoma Malignant	2 (100%)					
Spleen	(22)	(22)	(20)	(24)	(18)	(22)
Leukemia Granulocytic						
Lymphoma Malignant	2 (9%)					
Thymus	(22)	(22)	(20)	(24)	(19)	(21)
Lymphoma Malignant	1 (5%)					
INTEGUMENTARY SYSTEM						
Mammary Gland	(22)	(21)	(20)	(24)	(19)	(22)
Lymphoma Malignant	2 (9%)					
Skin	(1)	(2)	(0)	(1)	(1)	(0)
Schwannoma Benign						
Squamous Cell Papilloma	1 (100%)					

a - Number of animals examined microscopically at site and number of animals with lesion

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Sprague Dawley (NCTR) RATS MALE	F1 Veh. Ctrl M	F1 2.5 BPA M	F1 25.0 BPA M	F1 250.0 BPA M	F1 2500.BPA M	F1 25000 BPA M
Subcutaneous Tissue, Fibrosarcoma						
Subcutaneous Tissue, Lipoma						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(1)	(0)	(0)
Bone, Femur	(22)	(22)	(20)	(24)	(20)	(22)
Skeletal Muscle	(1)	(0)	(1)	(0)	(0)	(0)
Sarcoma	1 (100%)					
NERVOUS SYSTEM						
Brain, Brain Stem	(22)	(22)	(20)	(24)	(20)	(22)
Brain, Cerebellum	(22)	(22)	(20)	(24)	(20)	(22)
Brain, Cerebrum	(22)	(22)	(20)	(24)	(20)	(22)
Lymphoma Malignant	1 (5%)					
Nerve Trigeminal	(2)	(2)	(0)	(1)	(1)	(1)
Peripheral Nerve, Sciatic	(2)	(2)	(0)	(1)	(1)	(1)
Peripheral Nerve, Tibial	(2)	(2)	(0)	(1)	(1)	(1)
Spinal Cord, Cervical	(2)	(2)	(0)	(1)	(1)	(1)
Spinal Cord, Lumbar	(2)	(2)	(0)	(1)	(1)	(1)
Spinal Cord, Thoracic	(2)	(2)	(0)	(1)	(1)	(1)
RESPIRATORY SYSTEM						
Lung	(5)	(0)	(3)	(2)	(2)	(1)
Lymphoma Malignant	2 (40%)					
Sarcoma, Metastatic, Skeletal Muscle	1 (20%)					
Nose	(4)	(0)	(2)	(0)	(0)	(0)
Lymphoma Malignant	2 (50%)					
Trachea	(4)	(0)	(2)	(0)	(0)	(0)
Lymphoma Malignant	1 (25%)					

a - Number of animals examined microscopically at site and number of animals with lesion

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Sprague Dawley (NCTR) RATS MALE	F1 Veh. Ctrl M	F1 2.5 BPA M	F1 25.0 BPA M	F1 250.0 BPA M	F1 2500.BPA M	F1 25000 BPA M
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(22)	(22)	(20)	(24)	(19)	(22)
Leukemia Granulocytic						
Lymphoma Malignant	2 (9%)					
Urinary Bladder	(1)	(0)	(0)	(0)	(0)	(0)
SYSTEMIC LESIONS						
Multiple Organ	*(22)	*(22)	*(20)	*(24)	*(20)	*(22)
Leukemia Granulocytic						
Lymphoma Malignant	2 (9%)					

a - Number of animals examined microscopically at site and number of animals with lesion

* Number of animals with any tissue examined microscopically

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Sprague Dawley (NCTR) RATS MALE	F1 0.05 EE2 M	F1 0.50 EE2 M	F1 Veh.StDose M	F1 2.5 StDose M	F1 25.0 StDose M	F1 250.0StDose M
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Disposition Summary

Animals Initially In Study	26	26	20	20	20	19
Early Deaths						
Interval Sacrifice	22	23	20	20	19	19
Moribund Sacrifice	2					
Natural Death	2	3			1	
Survivors						
Animals Examined Microscopically	26	26	20	20	20	19

ALIMENTARY SYSTEM

Esophagus	(4)	(3)	(0)	(0)	(1)	(0)
Lymphoma Malignant						
Intestine Large, Colon	(3)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(3)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(1)	(0)	(1)	(1)	(1)
Adenocarcinoma					1 (100%)	
Adenoma				1 (100%)		
Liver	(26)	(26)	(20)	(20)	(20)	(19)
Hepatocellular Adenoma			1 (5%)	1 (5%)		
Leukemia Granulocytic				1 (5%)		
Lymphoma Malignant						
Mesentery	(0)	(0)	(2)	(0)	(1)	(0)
Pancreas	(26)	(25)	(20)	(20)	(20)	(19)
Leukemia Granulocytic				1 (5%)		
Lymphoma Malignant						
Stomach, Forestomach	(4)	(3)	(0)	(0)	(1)	(0)
Lymphoma Malignant						
Stomach, Glandular	(4)	(1)	(0)	(0)	(1)	(0)
Lymphoma Malignant						

CARDIOVASCULAR SYSTEM

Blood Vessel	(26)	(26)	(20)	(20)	(20)	(19)
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a - Number of animals examined microscopically at site and number of animals with lesion

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Sprague Dawley (NCTR) RATS MALE	F1 0.05 EE2 M	F1 0.50 EE2 M	F1 Veh.StDose M	F1 2.5 StDose M	F1 25.0 StDose M	F1 250.0StDose M
Heart	(26)	(26)	(20)	(20)	(20)	(19)
Leukemia Granulocytic				1 (5%)		
Lymphoma Malignant						
Schwannoma Malignant						1 (5%)
ENDOCRINE SYSTEM						
Adrenal Cortex	(26)	(26)	(20)	(20)	(20)	(19)
Lymphoma Malignant						
Adrenal Medulla	(26)	(26)	(20)	(20)	(20)	(19)
Lymphoma Malignant						
Islets, Pancreatic	(26)	(26)	(20)	(20)	(20)	(19)
Parathyroid Gland	(26)	(26)	(20)	(20)	(19)	(19)
Adenoma						
Lymphoma Malignant						
Pituitary Gland	(26)	(26)	(20)	(20)	(20)	(19)
Lymphoma Malignant						
Pars Distalis, Adenoma			1 (5%)	1 (5%)		1 (5%)
Thyroid Gland	(25)	(24)	(20)	(20)	(20)	(19)
Lymphoma Malignant						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland	(26)	(24)	(20)	(20)	(20)	(19)
Ductus Deferens	(0)	(1)	(0)	(0)	(0)	(0)
Epididymis	(26)	(26)	(20)	(20)	(20)	(19)
Fat Pad, Epididymal	(0)	(1)	(0)	(0)	(0)	(0)
Preputial Gland	(1)	(2)	(0)	(0)	(0)	(1)
Prostate, Dorsal/lateral Lobe	(26)	(26)	(20)	(20)	(20)	(18)
Lymphoma Malignant						

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Prostate, Ventral Lobe	(26)	(26)	(20)	(20)	(20)	(18)
Lymphoma Malignant						
Seminal Vesicle	(26)	(24)	(20)	(20)	(20)	(19)
Testes	(26)	(25)	(20)	(20)	(20)	(19)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(26)	(26)	(20)	(20)	(20)	(19)
Leukemia Granulocytic				1 (5%)		
Lymphoma Malignant						
Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)
Axillary, Lymphoma Malignant						
Cervical, Lymphoma Malignant						
Inguinal, Lymphoma Malignant						
Lumbar, Lymphoma Malignant						
Mediastinal, Lymphoma Malignant						
Pancreatic, Lymphoma Malignant						
Renal, Lymphoma Malignant						
Lymph Node, Mandibular	(1)	(0)	(0)	(0)	(1)	(1)
Lymphoma Malignant						
Lymph Node, Mesenteric	(1)	(0)	(0)	(1)	(0)	(0)
Lymphoma Malignant						
Spleen	(25)	(25)	(20)	(20)	(20)	(19)
Leukemia Granulocytic				1 (5%)		
Lymphoma Malignant						
Thymus	(26)	(24)	(20)	(20)	(20)	(19)
Lymphoma Malignant		1 (4%)				
INTEGUMENTARY SYSTEM						
Mammary Gland	(26)	(25)	(19)	(20)	(20)	(19)
Lymphoma Malignant						
Skin	(1)	(0)	(1)	(0)	(0)	(3)
Schwannoma Benign			1 (100%)			
Squamous Cell Papilloma						

a - Number of animals examined microscopically at site and number of animals with lesion

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Subcutaneous Tissue, Fibrosarcoma						
Subcutaneous Tissue, Lipoma						1 (33%)
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Bone, Femur	(26)	(26)	(20)	(20)	(20)	(19)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
Sarcoma						
NERVOUS SYSTEM						
Brain, Brain Stem	(26)	(26)	(20)	(20)	(20)	(19)
Brain, Cerebellum	(26)	(26)	(20)	(20)	(20)	(19)
Brain, Cerebrum	(26)	(26)	(20)	(20)	(20)	(19)
Lymphoma Malignant						
Nerve Trigeminal	(2)	(1)	(0)	(0)	(0)	(0)
Peripheral Nerve, Sciatic	(2)	(1)	(0)	(0)	(0)	(0)
Peripheral Nerve, Tibial	(2)	(1)	(0)	(0)	(0)	(0)
Spinal Cord, Cervical	(2)	(1)	(0)	(0)	(0)	(0)
Spinal Cord, Lumbar	(2)	(1)	(0)	(0)	(0)	(0)
Spinal Cord, Thoracic	(2)	(1)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM						
Lung	(4)	(3)	(1)	(1)	(1)	(0)
Lymphoma Malignant						
Sarcoma, Metastatic, Skeletal Muscle						
Nose	(4)	(3)	(0)	(0)	(1)	(0)
Lymphoma Malignant						
Trachea	(3)	(2)	(0)	(0)	(1)	(0)
Lymphoma Malignant						

a - Number of animals examined microscopically at site and number of animals with lesion

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<hr/>						
SPECIAL SENSES SYSTEM						
None						
<hr/>						
URINARY SYSTEM						
Kidney	(26)	(25)	(20)	(20)	(20)	(19)
Leukemia Granulocytic				1 (5%)		
Lymphoma Malignant						
Urinary Bladder	(1)	(0)	(0)	(0)	(0)	(0)
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SYSTEMIC LESIONS						
Multiple Organ	*(26)	*(26)	*(20)	*(20)	*(20)	*(19)
Leukemia Granulocytic				1 (5%)		
Lymphoma Malignant		1 (4%)				

a - Number of animals examined microscopically at site and number of animals with lesion

* Number of animals with any tissue examined microscopically

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Sprague Dawley (NCTR) RATS MALE	F1 2500.StDose M	F1 25000StDose M
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Disposition Summary

Animals Initially In Study	20	22
Early Deaths		
Interval Sacrifice	20	22
Moribund Sacrifice		
Natural Death		
Survivors		
Animals Examined Microscopically	20	22

ALIMENTARY SYSTEM

Esophagus	(0)	(0)
Lymphoma Malignant		
Intestine Large, Colon	(0)	(0)
Intestine Small, Ileum	(0)	(0)
Intestine Small, Jejunum	(0)	(0)
Adenocarcinoma		
Adenoma		
Liver	(20)	(22)
Hepatocellular Adenoma		
Leukemia Granulocytic		
Lymphoma Malignant		
Mesentery	(1)	(0)
Pancreas	(20)	(22)
Leukemia Granulocytic		
Lymphoma Malignant		
Stomach, Forestomach	(0)	(0)
Lymphoma Malignant		
Stomach, Glandular	(0)	(0)
Lymphoma Malignant		

CARDIOVASCULAR SYSTEM

Blood Vessel	(20)	(22)
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a - Number of animals examined microscopically at site and number of animals with lesion

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Sprague Dawley (NCTR) RATS MALE	F1 2500.StDose M	F1 25000StDose M
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Heart	(20)	(22)
Leukemia Granulocytic		
Lymphoma Malignant		
Schwannoma Malignant		

ENDOCRINE SYSTEM

Adrenal Cortex	(20)	(22)
Lymphoma Malignant		
Adrenal Medulla	(20)	(22)
Lymphoma Malignant		
Islets, Pancreatic	(20)	(22)
Parathyroid Gland	(19)	(22)
Adenoma		
Lymphoma Malignant		
Pituitary Gland	(20)	(22)
Lymphoma Malignant		
Pars Distalis, Adenoma	1 (5%)	
Thyroid Gland	(20)	(22)
Lymphoma Malignant		

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(20)	(22)
Ductus Deferens	(0)	(0)
Epididymis	(20)	(22)
Fat Pad, Epididymal	(1)	(1)
Preputial Gland	(0)	(0)
Prostate, Dorsal/lateral Lobe	(20)	(22)
Lymphoma Malignant		

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
 Bisphenol A
CAS Number: 80-05-7

Date Report Requested: 08/16/2017
Time Report Requested: 10:20:03
First Dose M/F: 09/25/12 / 09/25/12
Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 2500.StDose M	F1 25000StDose M
Prostate, Ventral Lobe	(20)	(22)
Lymphoma Malignant		
Seminal Vesicle	(20)	(22)
Testes	(20)	(22)

HEMATOPOIETIC SYSTEM

Bone Marrow	(20)	(22)
Leukemia Granulocytic		
Lymphoma Malignant		
Lymph Node	(0)	(0)
Axillary, Lymphoma Malignant		
Cervical, Lymphoma Malignant		
Inguinal, Lymphoma Malignant		
Lumbar, Lymphoma Malignant		
Mediastinal, Lymphoma Malignant		
Pancreatic, Lymphoma Malignant		
Renal, Lymphoma Malignant		
Lymph Node, Mandibular	(1)	(0)
Lymphoma Malignant		
Lymph Node, Mesenteric	(0)	(0)
Lymphoma Malignant		
Spleen	(20)	(22)
Leukemia Granulocytic		
Lymphoma Malignant		
Thymus	(20)	(22)
Lymphoma Malignant		

INTEGUMENTARY SYSTEM

Mammary Gland	(17)	(22)
Lymphoma Malignant		
Skin	(1)	(0)
Schwannoma Benign		
Squamous Cell Papilloma		

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Bisphenol A
CAS Number: 80-05-7

Date Report Requested: 08/16/2017
Time Report Requested: 10:20:03
First Dose M/F: 09/25/12 / 09/25/12
Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 2500.StDose M	F1 25000StDose M
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Subcutaneous Tissue, Fibrosarcoma	1 (100%)	
Subcutaneous Tissue, Lipoma		

MUSCULOSKELETAL SYSTEM

Bone	(0)	(0)
Bone, Femur	(20)	(22)
Skeletal Muscle	(0)	(0)
Sarcoma		

NERVOUS SYSTEM

Brain, Brain Stem	(20)	(22)
Brain, Cerebellum	(20)	(22)
Brain, Cerebrum	(20)	(22)
Lymphoma Malignant		
Nerve Trigeminal	(0)	(0)
Peripheral Nerve, Sciatic	(0)	(0)
Peripheral Nerve, Tibial	(0)	(0)
Spinal Cord, Cervical	(0)	(0)
Spinal Cord, Lumbar	(0)	(0)
Spinal Cord, Thoracic	(0)	(0)

RESPIRATORY SYSTEM

Lung	(0)	(2)
Lymphoma Malignant		
Sarcoma, Metastatic, Skeletal Muscle		
Nose	(0)	(0)
Lymphoma Malignant		
Trachea	(0)	(0)
Lymphoma Malignant		

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Bisphenol A
CAS Number: 80-05-7

Date Report Requested: 08/16/2017
Time Report Requested: 10:20:03
First Dose M/F: 09/25/12 / 09/25/12
Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 2500.StDose M

F1 25000StDose M

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(20)	(22)
Leukemia Granulocytic		
Lymphoma Malignant		
Urinary Bladder	(0)	(0)

SYSTEMIC LESIONS

Multiple Organ	*(20)	*(22)
Leukemia Granulocytic		
Lymphoma Malignant		

a - Number of animals examined microscopically at site and number of animals with lesion

* Number of animals with any tissue examined microscopically

Experiment Number: 10034 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
 Bisphenol A
 CAS Number: 80-05-7

Date Report Requested: 08/16/2017
 Time Report Requested: 10:20:03
 First Dose M/F: 09/25/12 / 09/25/12
 Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 Veh. Ctrl M	F1 2.5 BPA M	F1 25.0 BPA M	F1 250.0 BPA M	F1 2500.BPA M	F1 25000 BPA M
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Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	3	1			1	1
Total Primary Neoplasms	4	1			1	2
Total Animals with Benign Neoplasms	1	1			1	1
Total Benign Neoplasms	1	1			1	1
Total Animals with Malignant Neoplasms	3					1
Total Malignant Neoplasms	3					1
Total Animals with Metastatic Neoplasms	1					
Total Metastatic Neoplasms	1					
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain- Benign or Malignant						
Total Uncertain Neoplasms						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
 Bisphenol A
 CAS Number: 80-05-7

Date Report Requested: 08/16/2017
 Time Report Requested: 10:20:03
 First Dose M/F: 09/25/12 / 09/25/12
 Lab: NCTR

Sprague Dawley (NCTR)
 RATS MALE

F1 0.05 EE2 M F1 0.50 EE2 M F1 Veh.StDose M F1 2.5 StDose M F1 25.0 StDose M F1 250.0StDose M

Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	1	2	4	1	3
Total Primary Neoplasms	1	3	4	1	3
Total Animals with Benign Neoplasms		2	3		2
Total Benign Neoplasms		3	3		2
Total Animals with Malignant Neoplasms	1		1	1	1
Total Malignant Neoplasms	1		1	1	1
Total Animals with Metastatic Neoplasms					
Total Metastatic Neoplasms					
Total Animals with Malignant Neoplasms Uncertain Primary Site					
Total Animals with Neoplasms Uncertain- Benign or Malignant					
Total Uncertain Neoplasms					

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Bisphenol A
CAS Number: 80-05-7

Date Report Requested: 08/16/2017
Time Report Requested: 10:20:03
First Dose M/F: 09/25/12 / 09/25/12
Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 2500.StDose M	F1 25000StDose M
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Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	2
Total Primary Neoplasms	2
Total Animals with Benign Neoplasms	1
Total Benign Neoplasms	1
Total Animals with Malignant Neoplasms	1
Total Malignant Neoplasms	1
Total Animals with Metastatic Neoplasms	
Total Metastatic Neoplasms	
Total Animals with Malignant Neoplasms Uncertain Primary Site	
Total Animals with Neoplasms Uncertain- Benign or Malignant	
Total Uncertain Neoplasms	

*** END OF MALE ***

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Bisphenol A

CAS Number: 80-05-7

Date Report Requested: 08/16/2017

Time Report Requested: 10:20:03

First Dose M/F: 09/25/12 / 09/25/12

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 Veh. Ctrl F

F1 2.5 BPA F

F1 25.0 BPA F

F1 250.0BPA F

F1 2500.BPA F

F1 25000 BPA F

Disposition Summary

Animals Initially In Study	23	22	22	24	20	24
Early Deaths						
Interval Sacrifice	21	22	21	22	20	24
Moribund Sacrifice	1			2		
Natural Death	1		1			
Survivors						
Animals Examined Microscopically	23	22	22	24	20	24

ALIMENTARY SYSTEM

Esophagus	(3)	(0)	(1)	(2)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(2)	(0)	(0)	(2)	(0)	(0)
Intestine Small, Ileum	(2)	(0)	(0)	(2)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(23)	(22)	(22)	(24)	(20)	(24)
Mesentery	(1)	(0)	(2)	(1)	(0)	(1)
Pancreas	(23)	(22)	(22)	(24)	(20)	(24)
Stomach, Forestomach	(2)	(0)	(1)	(2)	(0)	(1)
Stomach, Glandular	(2)	(0)	(0)	(2)	(0)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(23)	(22)	(22)	(24)	(20)	(24)
Heart	(23)	(22)	(22)	(24)	(20)	(24)

ENDOCRINE SYSTEM

Adrenal Cortex	(23)	(22)	(22)	(24)	(20)	(24)
Adrenal Medulla	(23)	(22)	(22)	(24)	(20)	(24)
Islets, Pancreatic	(23)	(22)	(22)	(24)	(20)	(24)
Carcinoma				1 (4%)		
Parathyroid Gland	(23)	(21)	(20)	(23)	(20)	(23)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Bisphenol A

CAS Number: 80-05-7

Date Report Requested: 08/16/2017

Time Report Requested: 10:20:03

First Dose M/F: 09/25/12 / 09/25/12

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 Veh. Ctrl F	F1 2.5 BPA F	F1 25.0 BPA F	F1 250.0BPA F	F1 2500.BPA F	F1 25000 BPA F
Adenoma						
Pituitary Gland	(23)	(22)	(22)	(24)	(20)	(24)
Schwannoma Malignant, Metastatic, Tissue Nos						
Pars Distalis, Adenoma			1 (5%)	1 (4%)		
Pars Distalis, Carcinoma						
Thyroid Gland	(23)	(22)	(21)	(24)	(20)	(24)
Follicular Cell, Adenoma						1 (4%)
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(0)
Schwannoma Malignant						
GENITAL SYSTEM						
Clitoral Gland	(0)	(0)	(1)	(0)	(2)	(0)
Fat Pad, Ovarian/parametrial	(1)	(0)	(0)	(0)	(0)	(2)
Ovary	(23)	(22)	(22)	(24)	(20)	(24)
Oviduct	(23)	(22)	(21)	(24)	(20)	(24)
Uterus	(23)	(22)	(21)	(24)	(20)	(24)
Polyp Stromal	1 (4%)		1 (5%)		3 (15%)	3 (13%)
Endometrium, Adenoma						
Vagina	(23)	(22)	(21)	(24)	(20)	(24)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(23)	(22)	(22)	(24)	(20)	(24)
Lymph Node	(0)	(0)	(1)	(1)	(0)	(0)
Lymph Node, Mandibular	(0)	(1)	(1)	(1)	(0)	(0)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(23)	(22)	(22)	(24)	(20)	(24)
Thymus	(23)	(22)	(22)	(24)	(20)	(24)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Bisphenol A

CAS Number: 80-05-7

Date Report Requested: 08/16/2017

Time Report Requested: 10:20:03

First Dose M/F: 09/25/12 / 09/25/12

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 Veh. Ctrl F	F1 2.5 BPA F	F1 25.0 BPA F	F1 250.0BPA F	F1 2500.BPA F	F1 25000 BPA F
INTEGUMENTARY SYSTEM						
Mammary Gland	(23)	(22)	(22)	(24)	(20)	(24)
Adenocarcinoma		1 (5%)	1 (5%)			
Adenosquamous Carcinoma						
Fibroadenoma	2 (9%)	3 (14%)	2 (9%)	1 (4%)	2 (10%)	5 (21%)
Fibroadenoma, Multiple			1 (5%)			1 (4%)
Skin	(0)	(0)	(0)	(0)	(1)	(0)
Subcutaneous Tissue, Fibrosarcoma						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(1)	(0)	(0)	(0)	(0)
Bone, Femur	(23)	(22)	(22)	(24)	(20)	(24)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain, Brain Stem	(23)	(22)	(22)	(24)	(20)	(24)
Meningioma Malignant						
Brain, Cerebellum	(23)	(22)	(22)	(24)	(20)	(24)
Meningioma Malignant						
Brain, Cerebrum	(23)	(22)	(22)	(24)	(20)	(24)
Nerve Trigeminal	(1)	(0)	(1)	(0)	(0)	(4)
Peripheral Nerve, Sciatic	(1)	(0)	(1)	(0)	(0)	(4)
Peripheral Nerve, Tibial	(1)	(0)	(1)	(0)	(0)	(4)
Spinal Cord, Cervical	(1)	(0)	(1)	(0)	(0)	(4)
Spinal Cord, Lumbar	(1)	(0)	(1)	(0)	(0)	(4)
Spinal Cord, Thoracic	(1)	(0)	(1)	(0)	(0)	(4)
RESPIRATORY SYSTEM						
Lung	(2)	(1)	(4)	(3)	(0)	(0)
Nose	(2)	(0)	(1)	(2)	(0)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Bisphenol A

CAS Number: 80-05-7

Date Report Requested: 08/16/2017

Time Report Requested: 10:20:03

First Dose M/F: 09/25/12 / 09/25/12

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 Veh. Ctrl F	F1 2.5 BPA F	F1 25.0 BPA F	F1 250.0BPA F	F1 2500.BPA F	F1 25000 BPA F
Trachea	(2)	(0)	(1)	(2)	(0)	(0)
<hr/>						
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
Zymbal's Gland Carcinoma	(0)	(0)	(0)	(0)	(0)	(0)
<hr/>						
URINARY SYSTEM						
Kidney	(23)	(22)	(22)	(24)	(20)	(24)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
 Bisphenol A
 CAS Number: 80-05-7

Date Report Requested: 08/16/2017
 Time Report Requested: 10:20:03
 First Dose M/F: 09/25/12 / 09/25/12
 Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 0.05 EE2 F	F1 0.50 EE2 F	F1 Veh. StDose F	F1 2.5 StDose F	F1 25.0 StDose F	F1 250.0StDose F
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Disposition Summary

Animals Initially In Study	26	26	20	22	20	22
Early Deaths						
Interval Sacrifice	24	26	20	22	20	22
Moribund Sacrifice	1					
Natural Death	1					
Survivors						
Animals Examined Microscopically	26	26	20	22	20	22

ALIMENTARY SYSTEM

Esophagus	(2)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(1)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(1)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(1)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(26)	(26)	(20)	(22)	(20)	(22)
Mesentery	(1)	(2)	(1)	(0)	(0)	(0)
Pancreas	(26)	(26)	(20)	(22)	(20)	(22)
Stomach, Forestomach	(2)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(1)	(0)	(0)	(0)	(0)	(1)

CARDIOVASCULAR SYSTEM

Blood Vessel	(26)	(26)	(20)	(22)	(20)	(22)
Heart	(26)	(26)	(20)	(22)	(20)	(22)

ENDOCRINE SYSTEM

Adrenal Cortex	(26)	(26)	(20)	(22)	(20)	(22)
Adrenal Medulla	(26)	(26)	(20)	(22)	(20)	(22)
Islets, Pancreatic	(26)	(26)	(20)	(22)	(20)	(22)
Carcinoma						
Parathyroid Gland	(26)	(25)	(20)	(21)	(20)	(22)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Bisphenol A

CAS Number: 80-05-7

Date Report Requested: 08/16/2017

Time Report Requested: 10:20:03

First Dose M/F: 09/25/12 / 09/25/12

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 0.05 EE2 F	F1 0.50 EE2 F	F1 Veh. StDose F	F1 2.5 StDose F	F1 25.0 StDose F	F1 250.0StDose F
Adenoma						1 (5%)
Pituitary Gland	(25)	(26)	(20)	(22)	(20)	(22)
Schwannoma Malignant, Metastatic, Tissue Nos						
Pars Distalis, Adenoma	1 (4%)	1 (4%)			1 (5%)	
Pars Distalis, Carcinoma					1 (5%)	
Thyroid Gland	(26)	(26)	(20)	(22)	(20)	(22)
Follicular Cell, Adenoma						
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(0)
Schwannoma Malignant						
GENITAL SYSTEM						
Clitoral Gland	(1)	(0)	(0)	(1)	(0)	(0)
Fat Pad, Ovarian/parametrial	(1)	(0)	(0)	(0)	(0)	(0)
Ovary	(25)	(26)	(20)	(22)	(20)	(22)
Oviduct	(25)	(26)	(20)	(22)	(20)	(22)
Uterus	(25)	(26)	(20)	(22)	(20)	(22)
Polyp Stromal	1 (4%)			1 (5%)		1 (5%)
Endometrium, Adenoma						1 (5%)
Vagina	(25)	(26)	(20)	(22)	(20)	(22)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(26)	(26)	(20)	(22)	(20)	(22)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(1)	(1)	(0)	(0)	(0)	(1)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(26)	(26)	(20)	(22)	(20)	(22)
Thymus	(25)	(26)	(20)	(22)	(20)	(22)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Bisphenol A

CAS Number: 80-05-7

Date Report Requested: 08/16/2017

Time Report Requested: 10:20:03

First Dose M/F: 09/25/12 / 09/25/12

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 0.05 EE2 F	F1 0.50 EE2 F	F1 Veh. StDose F	F1 2.5 StDose F	F1 25.0 StDose F	F1 250.0StDose F
INTEGUMENTARY SYSTEM						
Mammary Gland	(26)	(26)	(20)	(22)	(20)	(22)
Adenocarcinoma	1 (4%)					
Adenosquamous Carcinoma	1 (4%)					
Fibroadenoma	2 (8%)	4 (15%)	4 (20%)	1 (5%)	1 (5%)	1 (5%)
Fibroadenoma, Multiple						
Skin	(0)	(0)	(0)	(0)	(0)	(1)
Subcutaneous Tissue, Fibrosarcoma						1 (100%)
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Bone, Femur	(26)	(26)	(20)	(22)	(20)	(22)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain, Brain Stem	(26)	(26)	(20)	(22)	(20)	(22)
Meningioma Malignant						
Brain, Cerebellum	(26)	(26)	(20)	(22)	(20)	(22)
Meningioma Malignant						
Brain, Cerebrum	(26)	(26)	(20)	(22)	(20)	(22)
Nerve Trigeminal	(2)	(4)	(0)	(0)	(0)	(1)
Peripheral Nerve, Sciatic	(2)	(4)	(0)	(0)	(0)	(1)
Peripheral Nerve, Tibial	(2)	(4)	(0)	(0)	(0)	(1)
Spinal Cord, Cervical	(2)	(4)	(0)	(0)	(0)	(1)
Spinal Cord, Lumbar	(2)	(4)	(0)	(0)	(0)	(1)
Spinal Cord, Thoracic	(2)	(4)	(0)	(0)	(0)	(1)
RESPIRATORY SYSTEM						
Lung	(2)	(1)	(1)	(0)	(1)	(1)
Nose	(1)	(0)	(0)	(0)	(0)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Sprague Dawley (NCTR)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
 Bisphenol A
CAS Number: 80-05-7

Date Report Requested: 08/16/2017
Time Report Requested: 10:20:03
First Dose M/F: 09/25/12 / 09/25/12
Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 0.05 EE2 F	F1 0.50 EE2 F	F1 Veh. StDose F	F1 2.5 StDose F	F1 25.0 StDose F	F1 250.0StDose F
Trachea	(2)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(1)	(0)	(1)	(0)	(0)	(0)
Zymbal's Gland	(0)	(0)	(0)	(0)	(0)	(1)
Carcinoma						1 (100%)
URINARY SYSTEM						
Kidney	(26)	(26)	(20)	(22)	(20)	(22)

a - Number of animals examined microscopically at site and number of animals with lesion

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Test Type: CHRONIC
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Sprague Dawley (NCTR) RATS FEMALE	F1 2500.StDose F	F1 25000StDose F
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Disposition Summary

Animals Initially In Study	20	22
Early Deaths		
Interval Sacrifice	20	20
Moribund Sacrifice		2
Natural Death		
Survivors		
Animals Examined Microscopically	20	22

ALIMENTARY SYSTEM

Esophagus	(0)	(2)
Intestine Large, Cecum	(0)	(0)
Intestine Large, Colon	(0)	(2)
Intestine Small, Ileum	(1)	(2)
Intestine Small, Jejunum	(1)	(0)
Liver	(20)	(22)
Mesentery	(2)	(0)
Pancreas	(20)	(22)
Stomach, Forestomach	(0)	(2)
Stomach, Glandular	(0)	(2)

CARDIOVASCULAR SYSTEM

Blood Vessel	(20)	(22)
Heart	(20)	(22)

ENDOCRINE SYSTEM

Adrenal Cortex	(20)	(22)
Adrenal Medulla	(20)	(22)
Islets, Pancreatic Carcinoma	(20)	(22)
Parathyroid Gland	(19)	(22)

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Sprague Dawley (NCTR) RATS FEMALE	F1 2500.StDose F	F1 25000StDose F
Adenoma		
Pituitary Gland	(20)	(22)
Schwannoma Malignant, Metastatic, Tissue Nos		1 (5%)
Pars Distalis, Adenoma		
Pars Distalis, Carcinoma		
Thyroid Gland	(20)	(22)
Follicular Cell, Adenoma		
<hr/>		
GENERAL BODY SYSTEM		
Tissue NOS	(0)	(1)
Schwannoma Malignant		1 (100%)
<hr/>		
GENITAL SYSTEM		
Clitoral Gland	(1)	(0)
Fat Pad, Ovarian/parametrial	(0)	(1)
Ovary	(20)	(22)
Oviduct	(20)	(22)
Uterus	(20)	(22)
Polyp Stromal		
Endometrium, Adenoma		
Vagina	(20)	(22)
<hr/>		
HEMATOPOIETIC SYSTEM		
Bone Marrow	(20)	(22)
Lymph Node	(0)	(0)
Lymph Node, Mandibular	(0)	(0)
Lymph Node, Mesenteric	(1)	(0)
Spleen	(20)	(22)
Thymus	(20)	(22)

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Sprague Dawley (NCTR)
RATS FEMALE

F1 2500.StDose F

F1 25000StDose F

INTEGUMENTARY SYSTEM

Mammary Gland	(20)	(22)
Adenocarcinoma		
Adenosquamous Carcinoma		
Fibroadenoma	1 (5%)	2 (9%)
Fibroadenoma, Multiple		
Skin	(0)	(0)
Subcutaneous Tissue, Fibrosarcoma		

MUSCULOSKELETAL SYSTEM

Bone	(0)	(0)
Bone, Femur	(20)	(22)
Skeletal Muscle	(0)	(2)

NERVOUS SYSTEM

Brain, Brain Stem	(20)	(22)
Meningioma Malignant		1 (5%)
Brain, Cerebellum	(20)	(22)
Meningioma Malignant		1 (5%)
Brain, Cerebrum	(20)	(22)
Nerve Trigeminal	(0)	(2)
Peripheral Nerve, Sciatic	(0)	(2)
Peripheral Nerve, Tibial	(0)	(2)
Spinal Cord, Cervical	(0)	(2)
Spinal Cord, Lumbar	(0)	(2)
Spinal Cord, Thoracic	(0)	(2)

RESPIRATORY SYSTEM

Lung	(0)	(4)
Nose	(0)	(2)

a - Number of animals examined microscopically at site and number of animals with lesion

Experiment Number: 10034 - 03

Test Type: CHRONIC

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Sprague Dawley (NCTR)
RATS FEMALE

F1 2500.StDose F

F1 25000StDose F

Trachea

(0)

(2)

SPECIAL SENSES SYSTEM

Eye

(0)

(0)

Zymbal's Gland

(0)

(0)

Carcinoma

URINARY SYSTEM

Kidney

(20)

(22)

a - Number of animals examined microscopically at site and number of animals with lesion

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Sprague Dawley (NCTR)
 RATS FEMALE

F1 Veh. Ctrl F F1 2.5 BPA F F1 25.0 BPA F F1 250.0BPA F F1 2500.BPA F F1 25000 BPA F

Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	3	4	6	3	5	9
Total Primary Neoplasms	3	4	6	3	5	10
Total Animals with Benign Neoplasms	3	3	5	2	5	9
Total Benign Neoplasms	3	3	5	2	5	10
Total Animals with Malignant Neoplasms		1	1	1		
Total Malignant Neoplasms		1	1	1		
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain- Benign or Malignant						
Total Uncertain Neoplasms						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Sprague Dawley (NCTR)

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Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	6	4	4	2	3	6
Total Primary Neoplasms	6	5	4	2	3	6
 Total Animals with Benign Neoplasms	 4	 4	 4	 2	 2	 4
Total Benign Neoplasms	4	5	4	2	2	4
 Total Animals with Malignant Neoplasms	 2				 1	 2
Total Malignant Neoplasms	2				1	2
 Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
 Total Animals with Malignant Neoplasms Uncertain Primary Site						
 Total Animals with Neoplasms Uncertain- Benign or Malignant						
Total Uncertain Neoplasms						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03
Test Type: CHRONIC
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Sprague Dawley (NCTR) RATS FEMALE	F1 2500.StDose F	F1 25000StDose F
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Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	1	3
Total Primary Neoplasms	1	5
Total Animals with Benign Neoplasms	1	2
Total Benign Neoplasms	1	2
Total Animals with Malignant Neoplasms		1
Total Malignant Neoplasms		3
Total Animals with Metastatic Neoplasms		1
Total Metastatic Neoplasms		1
Total Animals with Malignant Neoplasms Uncertain Primary Site		
Total Animals with Neoplasms Uncertain- Benign or Malignant		
Total Uncertain Neoplasms		

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion
b - Primary tumors: all tumors except metastatic tumors